



RESILIENT RHODY

AN ACTIONABLE VISION FOR ADDRESSING THE
IMPACTS OF CLIMATE CHANGE IN RHODE ISLAND

Municipal Resilience Program
Progress Update

Program Progress

13 municipalities have taken part in the MRP, including:

- 2019 - Barrington, Warren, Portsmouth, South Kingstown, and Westerly
- 2020 - Bristol, Little Compton, Newport, Middletown, Central Falls, Pawtucket, Woonsocket, Warwick

2019 Action Grants:

Municipality	Project Name	Project Type	Grant Award
Barrington	Walker Farm / Bowden Ave and Opechee Drive Stormwater Projects	Coastal restoration / Stormwater	\$201,000
Portsmouth	Melville Dam Rehabilitation and 3 Green Stormwater Infra. Projects	Dam Retrofit	\$339,000
Warren	3 GI Projects at Public Access Points	Stormwater	\$156,000
Westerly	Old Canal Street Pump Station Flood Protection Wall and Stormwater Swales	Flood Protection	\$304,000
			\$1,000,000

Program Funding:

- \$2mm from RIIB for action grants in 2019 – 2020
- The Nature Conservancy provided facilitation services for first 10 municipal workshops
- RIIB contracted with TNC for an additional two workshops in 2020
- \$7mm in 2021 Beach, Clean Water, and Green Economy Bond for Action Grants

Program By the Numbers

Over **400** local leaders have participated in MRP workshops

200 climate resilience projects identified across 13 municipalities

Estimated **\$48mm** in project costs across 2019 municipalities

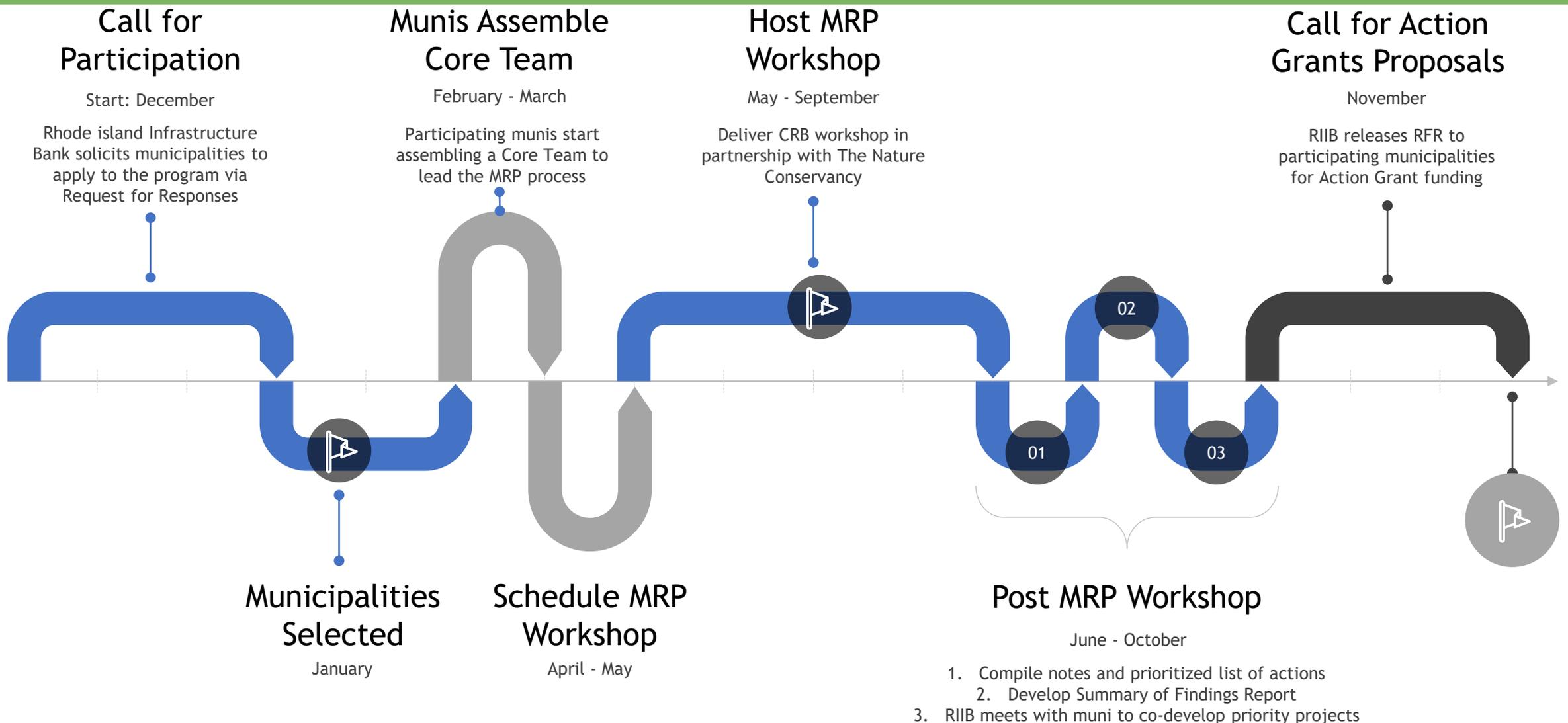
Catalyst for **\$8mm** in outside funding and financing for MRP projects since 2019

\$2mm in RIIB Action Grants allocated or scheduled

\$7mm included in 2021 Green Bond for voter approval

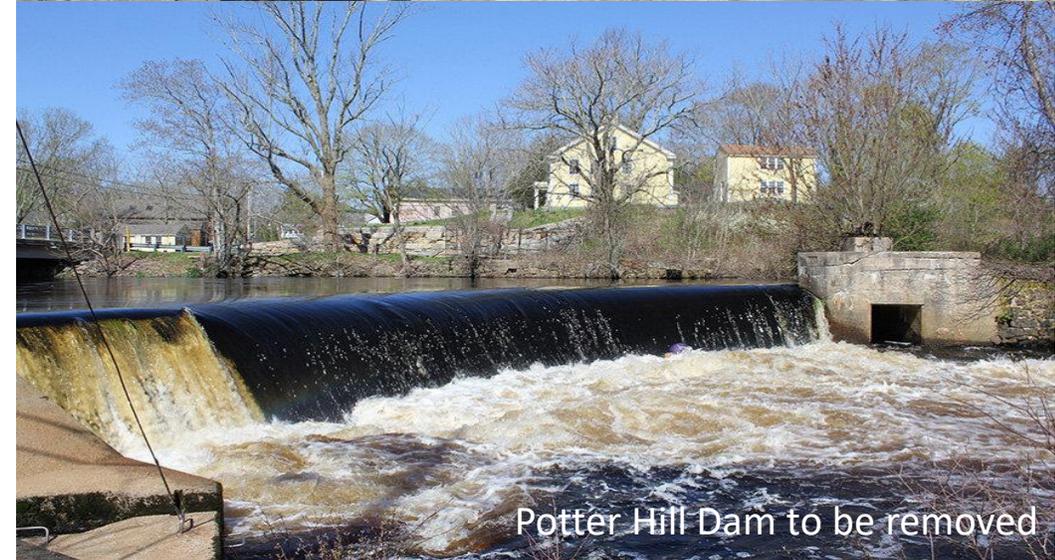
Goal of achieving **100%** RI municipal participation by end of 2023

Municipal Resilience Program



Westerly Success Story

- Identified 14 resilience projects through the MRP workshop
- Westerly has received funding and financing for over \$3mm in projects since the workshop
 - MRP Action Grants from RIIB
 - DEM WWTF Resilience Grant
 - DEM Climate Resilience Fund - Watch Hill Fire District
 - Non-federal match loan for Army Corps dredging grant
 - Potter Hill Dam removal
- On-going technical assistance for grant identification and proposal development



Municipal Resilience Program

Municipality	Project	Project Type
Barrington	Erosion reduction in Latham Park	
Barrington	Portable generators for all sewer pump stations	Backup power
Barrington	Stormwater management at Town Beach for flooding and water quality	Stormwater BMPs
Barrington	Tree maintenance and care along state roads	Vegetation management
Barrington	Culvert repair and improvement of culverts along New Meadow Road	Culvert repair
Barrington	Living shoreline and stabilization projects in 100 acre cove	Coastal restoration
Barrington	Removal of invasives in Echo Lake and installation of nature-based solutions for flood storage	Vegetation management for flood control
Barrington	Living shoreline and stabilization projects at Mussachuck Beach	Coastal restoration
Barrington	Update and improve the culverts in Bay Springs area	Culvert repair
Barrington	Bury powerlines	Utility improvements
Barrington	Stormwater management at Barrington High School for flooding and water quality	Stormwater BMPs
Portsmouth	Fix and raise Prudence Island emergency dock and road	Infrastructure upgrade
Portsmouth	Replace outdated cesspools in Island Park	Cesspool remediation
Portsmouth	Redesign drainage at entrance to Island Park to reduce street flooding and allow for egress	Stormwater BMPs
Portsmouth	Repairs to Melville Dam	Dam repair/removal
Portsmouth	Backup power at Clemons Grocery Store	Backup power
Warren	Backup power at townwide schools	Backup power
Warren	Installation of tide gate to reduce flooding	Infrastructure upgrade
Warren	Install telecommunications and backup generator at Government Center for continuity of service	Infrastructure upgrade
Warren	Complete Kickemuit River Dam removal	Dam repair/removal
Warren	Upgrade seawall at Wastewater Treatment Facility	Seawall improvement
Warren	Relocate playground equipment and install green infrastructure at Warren Town Beach to manage stormwater and coastal flooding	Infrastructure upgrade
Warren	Stabilize the landfill cap at Jamiel's Park to protect from flooding and allow for flood storage	Infrastructure upgrade
Westerly	Protect the Wastewater Treatment Plant with berm and floodgate	Infrastructure upgrade
Westerly	Protect the municipal water supply wellheads with berms and gates	Infrastructure upgrade
Westerly	Dredge Winnapaug and Quonnie Ponds	Dredging